

Model Test Paper-I

(Based on Chapters 1 to 8)

Instructions :

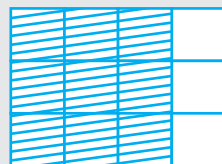
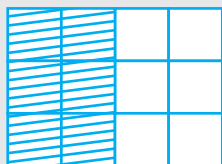
1. All questions are compulsory.
2. The question paper consists of 18 questions divided into three sections — A, B, C. Section A consists of 10 questions of 2 marks each, Section B of 5 questions of 3 marks each, and Section C of 3 questions of 5 marks each.

SECTION - A

1. Find the difference between the greatest and smallest number that can be written by using digits 7, 0, 9, 4 and 2 only once.
2. What is the smallest 4 digit number which does not change if digits are written in reverse order?
3. **If $a = 7$, $b = 9$ and $c = 2$, find the following:**
 - (i) $a \times (b + c)$
 - (ii) $ab + ac$
4. Test the divisibility of 70169803 by 11.
5. The product of two numbers is 2160 and their HCF is 12. Find their LCM.
6. **Write the Roman number for each of the following:**
 - (i) 637
 - (ii) 89
7. Mr. Rajdeep bought 1 kg of ice-cream bar. After his children had eaten some, $\frac{2}{5}$ kg of ice-cream bar were left. How much had they eaten?
8. On a particular day, Mr Ramesh Walked $7\frac{1}{2}$ km, Mr. Suresh $3\frac{1}{4}$ km and Mr. Sharma $12\frac{1}{2}$ km. Calculate the total distance covered by all of them.
9. **Write in expanded form :**
 - (i) 7.94
 - (ii) 175.38
10. Write four negative integers greater than -15 and four negative integers less than -5 .

SECTION - B

11. Identify the fraction in each and write. Are these fractions equivalent? Also add these fractions.



12. Find HCF of 144, 180, 384 by division method.

13. Subtract $\frac{3}{4}$ from $\frac{5}{6}$ and add $\frac{2}{5}$ to $\frac{1}{3}$

14. Calculate the value of x in the following equations.

(i) $5x + 10 = 30$

(ii) $2x + 8 = 18$

(iii) $5x - 10 = +20$

15. Twice a number added to 3 times itself is equal to 120. Find the number.

SECTION - C

16. Mithun purchased 40 bottles of Pepsi, 20 Bread Pakora and 25 Samosas for a party. The cost of a bottle of Pepsi, a Bread Pakora and a Samosa is ₹ 15, ₹ 6 and ₹ 7 respectively. Find the total amount spent by Mithun.

17. Find the sum of four square numbers i.e., $2^2 + 3^2 + 4^2 + 5^2$, and subtract this number from the sum of $3^2 + 4^2$.

18. Write each of following as decimals.

(i) $\frac{7}{10} + \frac{5}{100} + \frac{3}{1000}$

(ii) $\frac{3}{5} + \frac{2}{5}$

